

Improved flexibility Dynamic Data Manager[®] 2 / Transient Data Manager

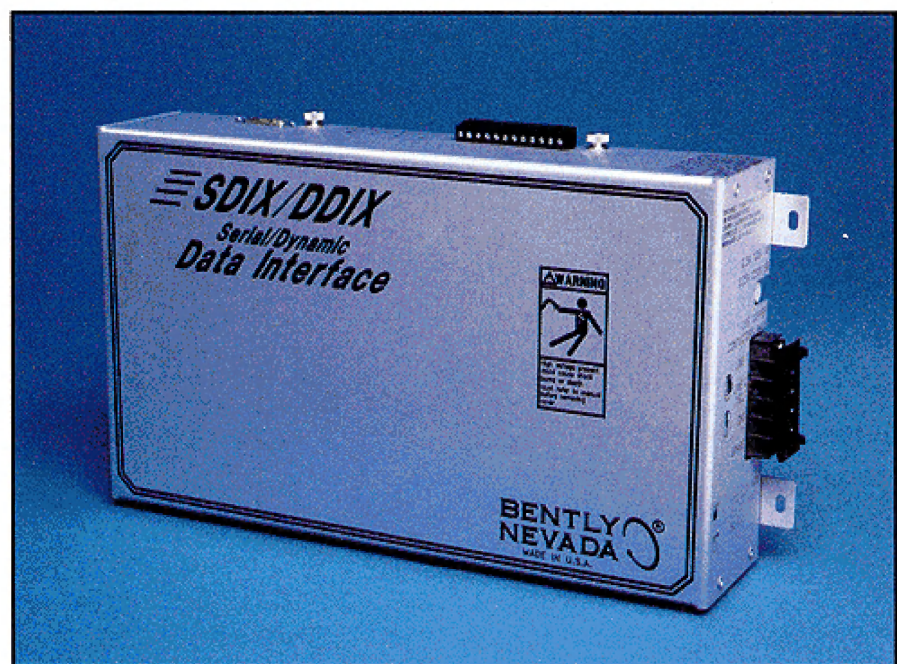
Bently Nevada Corporation can improve the quality of your machinery data. We have over 37 years of vibration monitoring experience, and we listen carefully to customer inputs. The issue today is not how to get more data but how to manage the data more efficiently. In response to this issue, we have developed three new software packages: Dynamic Data Manager 2 (DDM2), Transient Data Manager 2 (TDM2) and Engineer Assist. With these software packages, your Machinery Expert can better manage data collection, formatting, storage and analysis.

Along with the software, we are also producing an advanced line of Communications Processors (CPs). These CPs allow the DDM2/TDM2 Software to communicate with our advanced 3300 Monitors for an easier connection to your on-line diagnostic system. These CPs also provide a cost-effective way to transfer data from vibration monitors to your Plant Information System via the Modicon Modbus[®] or the Allen-Bradley DF1 protocols.

Included in this improved line of Communications Processors is the Serial Data Interface External and Dynamic Data Interface External (SDIX/DDIX).

Support for all new 3300 Monitors

With the SDIX/DDIX you can now communicate and retrieve data from



our new 3300 Monitors, such as the Dual Vector Monitor, 32-channel Temperature, Six-channel Rod Drop, Torque Indicator, etc. For example, the Dual Vector Monitor, in addition to Recorder Out and Gap, also returns 1X Amplitude and Phase and 2X Amplitude and Phase. Due to the limitations in the previous communications link, only the Recorder Out and Gap were available to the software. SDIX/DDIX supplies all these outputs to both our

DDM2/TDM2 Software and your plant's process control computer.

Simpler system integration

Customers with original-design 3300 Monitors, can now take advantage of Bently Nevada's latest and most advanced family of Communications Processors without having to do a complete rack retrofit. This saves both time and money. In addition, you can now use the features of the built-in SDIX to

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supply data from the vibration monitors to a Plant Information System. This gives plant personnel a more complete data set on which to base decisions.

More accurate sequence of events

In previous Bently Nevada systems, alarms were reported on a monitor basis. This did not allow for a precise sequence of events report. With SDIX/DDIX

DDIX, alarms are reported for each point, which allows you to determine exactly which point was the first to enter alarm.

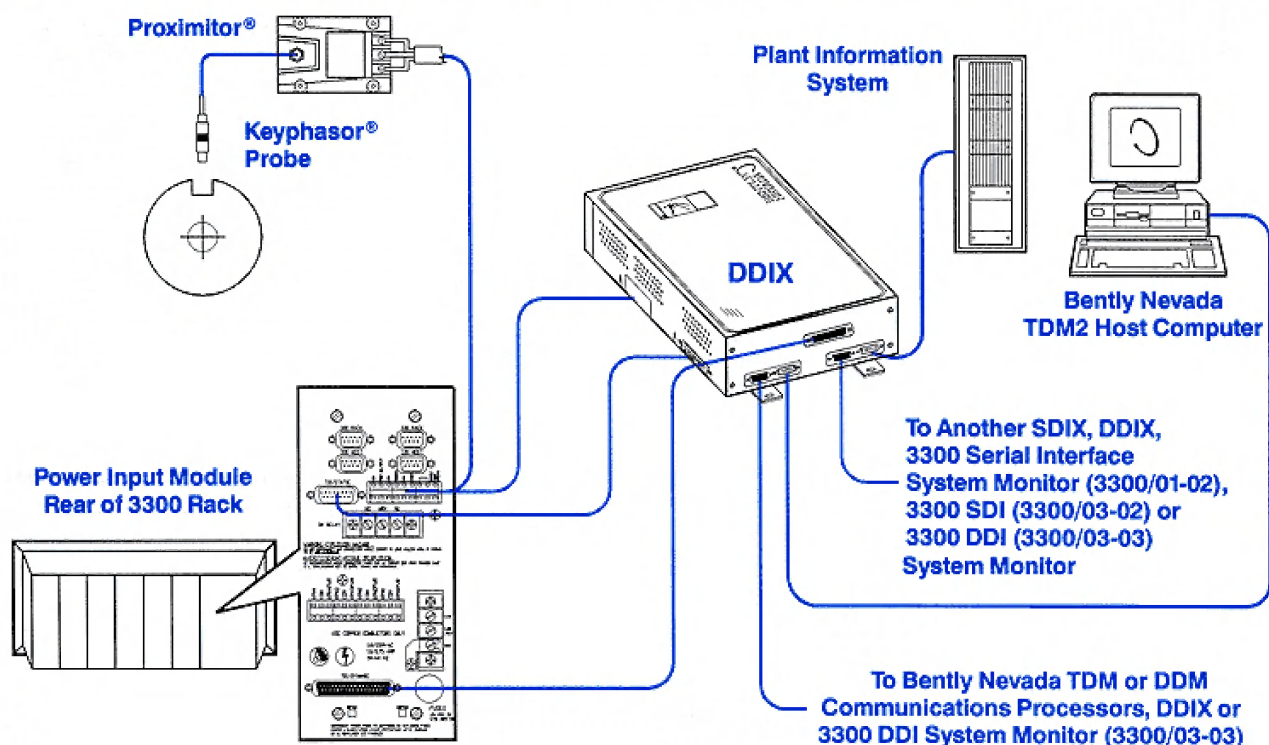
Improved static data resolution

The previous system provided 8-bit resolution for your static data. With SDIX/DDIX this has been increased to 24-bits, which results in increased accu-

racy of the data displayed by the software. For example, data from a Tachometer monitor with a full-scale of 10,000 rpm is now displayed with the accuracy of ± 1 rpm.

Improved Dynamic Data resolution

Dynamic Data is now displayed with 12-bit resolution compared to 8-bit in►



the DDM Communications Processors. 12-bit resolution allows you to set the monitor dynamic full-scale without compromising the resolution of small frequency components.

Improved Spectrum

Many customers expressed concern that, in isolated cases, a 100-line Spectrum was not enough to properly diagnose machine malfunctions. With SDIX/DDIX we now provide you a 400-line asynchronous Spectrum to help in

those special cases where 100 lines are not enough.

Connection to new 2201 Monitors

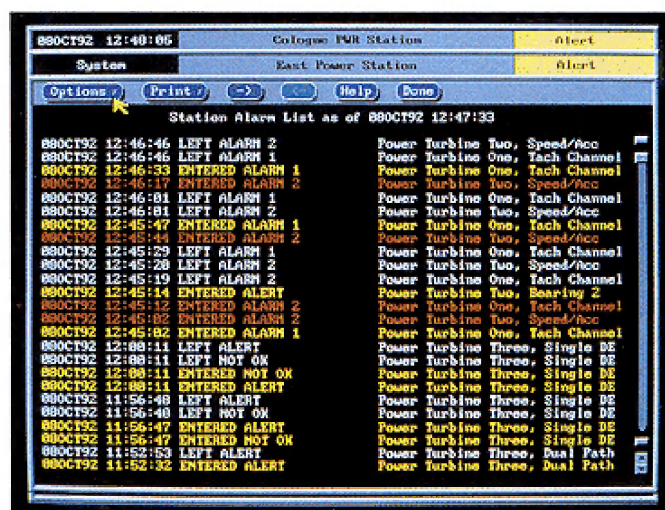
Bently Nevada, in connection with Allen-Bradley, has developed an innovative approach to integrate machinery vibration monitoring information with plant process data through the Allen-Bradley PLC-5™ SDIX/DDIX allows the data from the 2201 to also be supplied to a Bently Nevada on-line diagnostic system, completing the circle of

machinery protection.

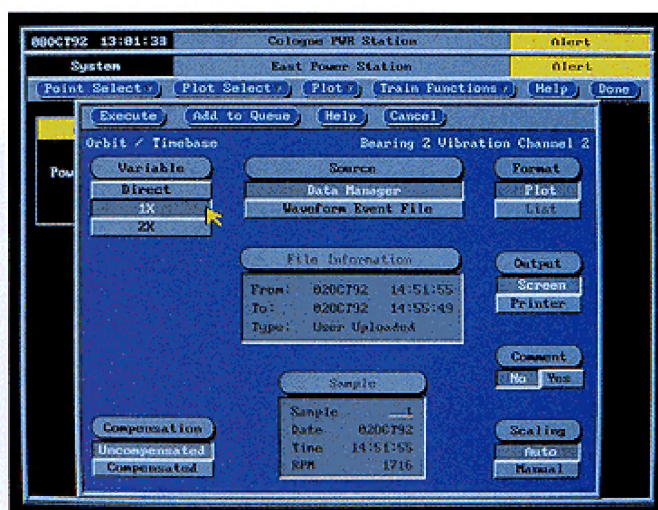
More features, reduced cost

The SDIX/DDIX, priced less than the original DDM Communications Processor, provides both enhanced capabilities over the DDM and communication with a Plant Information System. This means you can provide a higher degree of machine protection in a more cost-effective way.

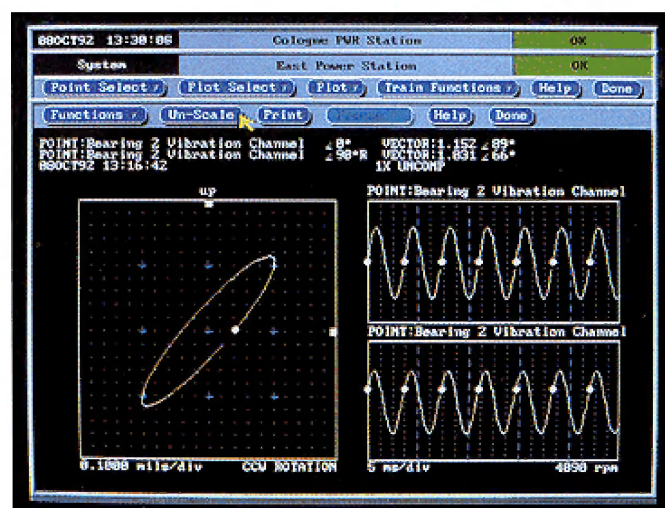
Contact your nearest Bently Nevada Representative for more information. ■



Transient Data Manager® 2 Alarm List



Transient Data Manager® 2 Orbit/Timebase plot option screen



Transient Data Manager® 2 Orbit/Timebase plot



Transient Data Manager® 2 Acceptance Region plot with two Acceptance Regions defined